**GIT Commands:**

**Git init** => to initialize file

**git status =>** to check the status of tracked file and untracked file

**git add file name =>** to add specific file

**git add .** => to add all files which are untracked or not commited

**For configuration of global repository we should config using**

**Git config –global user.name “user name”**

**Git config –global user.email “email”**

**Git config –global –list =>** will give the username and email which is configured

**git commit -m “message” =>**to commit into local repository

**git remote add origin url =>** url is of remote repo url

**git branch -M main** => for creating main branch

**git push -u origin main** => for pushing to remote repository

Creating personal access tokens:

Goto profile=> settings => developer settings => personal access tokens => generate new token

**Git reset =>**  once we add files to staging area we want to move back then we can use this

To remove the unwanted files which we don’t want to push , we can do by creating **.git ignore file**

To create .git ignore file we use command $**touch .gitignore**

**$ls -la** => will list all files

$**ls** => giver the list of folders

**$vi .gitignore =>** to edit the file and then press **insert** to insert the file names into .gitignore

Ex: filenames to be inserted like

.idea/ => path of file ends with idea/

.pytest1\_cache/ => path of file ends with pytest1\_cache

\*.log => any file starts with any name and ends with .log

\*\_\_pycache\_\_ => any file having \_\_pychache\_\_

After editing **press esc and then enter shift :wq to save the file**

while we are creating multiple repositories then we have to set the url for new repos using command

**git remote set-url origin repourl**

for cloning we use

**git clone repourl**

to merge all changes present in the remote repo which is done other developer to the local working directory we use command $ **git pull**

**git branch branchname =>** to create new branch or

**git checkout branchname =>** to switch to that branch

**git checkout -b branchname =>** to create new branch and switch to that branch